

HERS II SIMPLIFIED

Presented

by

Mike Bachand



WHAT IS HERS II?

- ☐ HERS II is Whole House Energy Rating based on a *House As A System Approach*
 - □Approved By CEC
- □ Recommends most cost effective improvements
 - □Creates "loading order"
 - □Gives most effective order in which to make improvements
- ☐ How much energy bills be will reduced
- □Change the order of improvements to suit homeowner
- ■Educate homeowner how occupant behavior effects energy bill



HERS II IS THE FUTURE

- □Why You Should Get Your HERS II Certification
 - ■Who Uses HERS II Raters
 - **□**What About Sustainability
 - ☐ How Much Time/Money
 - □Transfer Existing Training
- □.....and More



WHY YOU SHOULD GET HERS II CERTIFIED

- □Over \$100 million in ARRA funds will be spent on retrofits
- ☐ Many programs require HERS II Raters
 - ☐ Municipal, Utilities, PACE (if retained)
 - ☐ HomeStar, National Energy Retrofit Guidelines may use
 - **□**Realty
- □Other Related work
- □HERS II seeks sustainability and growth of industry
- □Other certifications do not meet HERS II requirements



WHO USES HERS II RATERS

- □ Energy Efficient Mortgages
- **□**Building Performance Contractors
- □ Real Estate transactions in the future?
- ☐ Federally Funded Grant Programs ARRA
- ☐ HomeStar? EnergyStar
- **□**Utilities
- □John Q Public
- ☐ Title 24 Compliance (Existing and New Construction)



SUSTAINABILITY

- ☐ Foundations are being established right now with Federal & Private \$\$\$
- □ Planners are looking forward several years
- ☐ Training and participation are very high
- ☐ There are layers of possibilities
- □ Crosses the boundaries of many trades and business opportunities
- □Builds jobs and payrolls
- □ Provides real value



BECOMING A HERS II RATER

- ☐ Must be trained by and registered with an approved HERS II Provider
 - □Currently, CalCERTS is the only approved HERS II Provider
- □Classroom, Hands-On Lab, Approved Computer Software, Field Test
- ☐ Must be also be a Title 24 Compliance Rater
- ☐ Transfer existing training up to current level, then complete the rest



TIME & COST TO GET CalCERTS CERTIFICATION

- ■Starting from no training, and no transfer of current certification:
 - □Compliance Rater: \$1700-\$1800
 - ✓4 Days Classroom + 1 Day Lab + Field Test + Computer
 - □HERS II Rater: \$2800-\$2900 (includes above)
 - ✓ Compliance Rater + 3 Days Class + Field Test
 - □Building Performance Contractor (approval pending): \$3900-\$4000
 - √HERS II + 2 Days Classroom + Field Test (pending approval)



TRANSFER YOUR CURRENT TRAINING

- □ Demonstrate current standing (e.g. New Construction Rater)
- □ Pass a written exam based on level of entry (proctored, open book)
- □Do a Field Test or show completed inspection documents
- ☐ Take the 3 Day HERS II class and pass written exam
- □ Pass field test and do computer entry



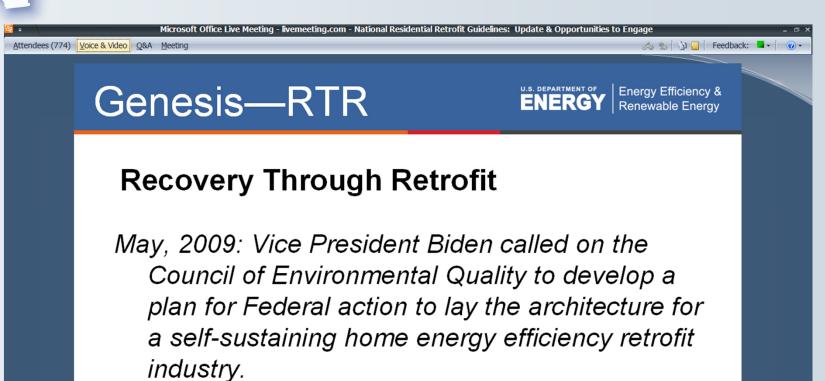
CalCERTS Certified HERS II Raters Are Super Raters

- □Not just HERS II
- □Alteration/Changeouts (some retrofits & programs will do this)
- □New Construction (work with builders, Energy Star, etc.)
- **□**MultiFamily
- □Other classifications available:
 - □ Refrigerant Charge and EPA 608
 - ■NonRes
 - **□**Solar NSHP
 - □ Above Code Programs
 - □ Federal Tax Credits



...AND MORE

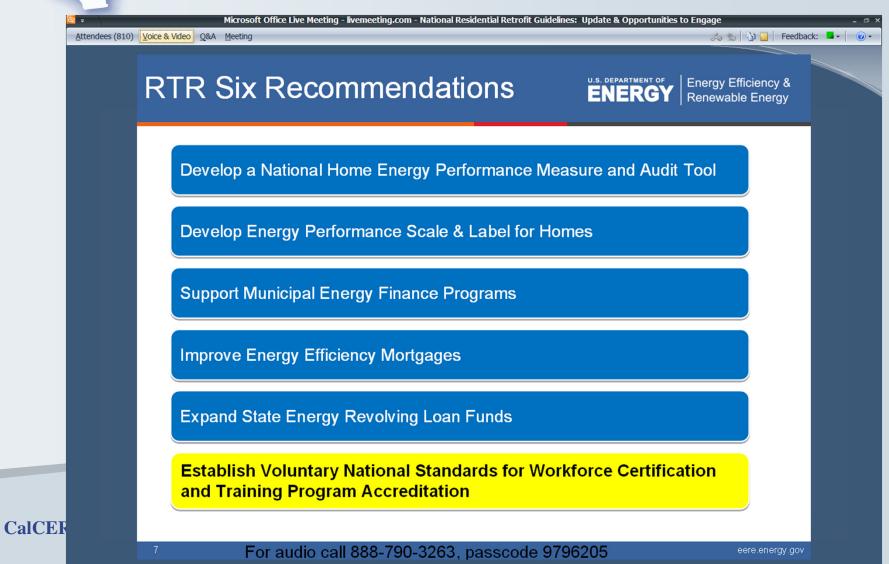




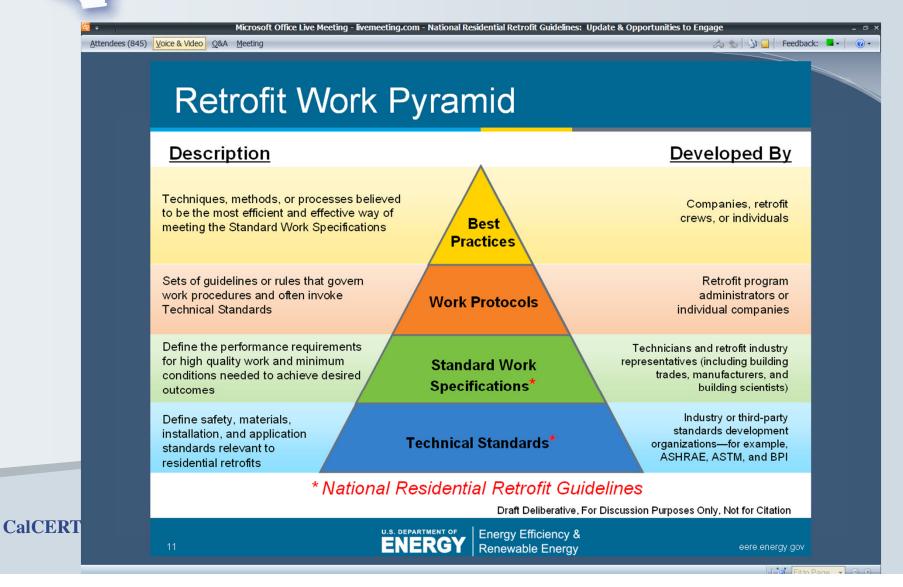


CalCERT

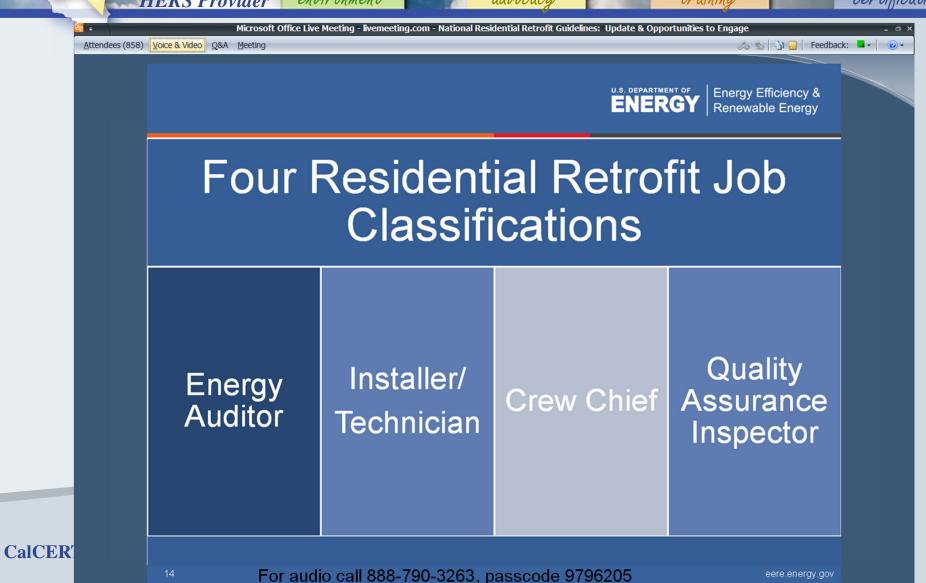












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CalCERTS,

For audio call 888-790-3263, passcode 9796205



BPA vs HERS II

- □ Complimentary but different disciplines
- □One or the other or both may be written into funded programs
- Neither reciprocally recognizes the other
- □HERS II encompasses Whole House Performance and Title 24
 - o Separately or in tandem
 - o Requires Home Occupant education on Whole House Audit/Rating
- □BPA encompasses health and safety issues



ALPHABET SOUP....

- BPI = Building Performance Institute
 - Offers Accreditations based on curricula and exam completion
- BPI Affiliate
 - ☐ Can teach BPA using approved curriculum
 - □ Can Proctor Exams
- BPI Field Proctor
 - ☐ Can proctor the Field House Test requirement
- BPA = Building Performance Analyst
 - ☐ One of the BPI Accreditations
 - Analyzes building based on holistic approach
- Building Performance Institute Accredited Contractor



...to NUTS

- ☐HERS II Rater = California Whole House Home Energy Rater
- ☐HERS II Analyst = California Whole House Home Energy Analyst
 - □ Does computer simulation, but does not acquire field data
- ☐ HERS II Home Energy Inspector = California Whole House Home Energy Inspector
 - ☐Gathers data to pass to Analyst & helps educate occupants
- □HERS I Rater = California Field Verification & Diagnostic Testing Rater
 - □ Does Title 24 Compliance at various levels
- ■Building Performance Contractor = B License + Whole House Rater on staff (not part of BPA nor CBPCA) Health and Safety Issues



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Be ALL You Can BE

- □HERS Raters do the audits, make recommendations, educate the occupants via APPROVED SOFTWARE CalRATEpro
- ☐ HERS Raters provide Quality Assurance assistance through education and auditing of jobs
- □ Contractors can/should become HERS II Certified
- □Contractors use Raters --- Contractors and Raters should be shaking hands
- □Don't forget about the Title 24 part of the retrofits



www.CalCERTS.com

- □Click on the Training tab on the left and snoop around or start your training (no classes in your area? Call 916-985-3400 and tell us or email us at Training@calcerts.com)
- □ Talk to contractors, other in the business be proactive
- □Go to utility websites, & your gov't websites and look for "green" or "sustainability" or "rebate" or "incentives" or "retrofit"
- □Visit CalCERTS.com periodically to see new developments for your area
- □CalCERTS will keep timely info available to help all stakeholders access the jobs, funds and opportunities that are available --- but don't wait